OPERATOR'S MANUAL SERVICE BOOK

RC-750



Applies to model RC-750 with type/serial number:

410100-02



RC-750



OPERATOR'S MANUAL

SERVICE BOOK

DIAGRAM

SPAREPARTS CATELOGUE

HONDA OWNERS MANUAL



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Congratulations on your new TIMAN RC-750

This manual is prepared in order to help you with the correct use, adjustments and maintenance of your new machine.

Please read this manual carefully before any attempt is made to run or work with this machine – in particular the sections regarding safety.

The indications right and left in the manual and in spare parts lists are the machine seen from behind in the driving direction.

1 INTRODUCTION

1.1 Important

The RC-750 is a remotely controlled flail mower. The life of the equipment depends on how maintenance and services are carried out.

The operator's manual supplied with the machine must always be available for the operator. Before any attempt is made to run or work with the machine, the manual must be studied carefully, in particular those sections dealing with safety stipulations (sections 2 and 3). Only persons above 18 years of age who are acquainted with the safety stipulations for the machine are allowed to operate the machine.

In case your manual gets damaged or is lost, please request a new manual at your local Timan dealer.

The manufacturer's responsibility for possible losses or damages will be cancelled, if any constructional changes are made to the machine.

The machine is designed for cutting grass, low vegetation and one year old bushes on level grounds as well as on inclinations sloping maximum 58 degrees. For inclinations sloping more than 25 degrees it is a precondition that the surface is dry.

1.2 Incorrect use

The machine must not be used on surfaces, where glass, stones, metal pieces, or other foreign bodies might appear. Such objects can be thrown out or cause damages to the mower. Do not use the machine unless you are acquainted with the terrain and especially the whereabouts of unwanted stubs, water holes, swamps or soil with a poor bearing.

The machine must not be used on inclinations over 25 degrees when it is raining or misty or if the surface is wet.

Do not use the machine for vegetations that are more than 1 year old. If you do, the plants can damage the machine. It is important to keep a safety distance of minimum 15 m to all persons and animals.

The machine must not be used for pulling purposes or for transportation of people. It is not allowed to use the machine on public roads. It is not allowed to modify the construction of the

machine. The manufacturer is not responsible for any loss or damages whatsoever resulting from such changes.

1.3 Identification of the machine

Manufacturer: Timan A/S

Fabriksvej 13

DK-6980 Tim, Denmark

Model: RC-750

Identification number: type – serial – machine number

♦ ♦ ♦ ♦ 410100 − 02 − 1001

Example: 410100 – 02 – 100

1.4 Ordering spare parts:

Your dealer is of course interested in helping you with the maintenance of your machine and will be glad to assist you in getting the greatest benefit out of it. After you have read this manual carefully through, you will find that you can carry some of the servicing out yourself. But when spare parts or more comprehensive service work are needed, you should turn to your Timan dealer, where you have bought the machine, or to a local, authorized Timan service workshop.

In order to expedite the delivery of spare parts and to avoid mistakes please submit the following information:

- The identification number of the machine:
- The number and units required of the spare part
- Dispatch mode

The machine sign is placed behind the black control box in the left side of the machine. Look for the identification number and write it on the line above and also on the front page of the catalogue.



Location of the machine sign at the RC-750

2 SAFETY REGULATIONS



WHENEVER YOU SEE THIS SIGN IN THIS BOOK YOUR SAFETY IS CONCERNED!

It is the responsibility of the user that the guards are mounted and the available safety equipment and all safety regulations are employed and observed.

Careful operation is the best guarantee against accidents. Please read this chapter thoroughly through, before taking the machine in use. All operators, irrespective of their experience, must read this manual before they use the machine. It is the responsibility of the owner to inform all operators about secure handling.

Only persons above 18 years of age, who have acquainted themselves with the machine and the manual, are allowed to operate the machine. The remote control is regarded as a part of the machine.

The safety regulations are for your safety - therefore **PLEASE REMEMBER**:



1. Inform everyone, who is to work with or near the machine, about the safety regulations.



2. Do not start the machine until everyone is aware of your intention.



3. Never start the machine until all safety guards have been mounted and closed. Replace or repair missing or damaged guards immediately.



4. Make sure that everyone near the machine keeps a distance of minimum 15 m to the machine, when the machine is started and is working.



5. Stop the motor with the remote control and wait until the machine is completely stationary. Engage the emergency stop contact of the machine and remove the key from the emergency stop contact before cleaning, lubrication, adjustment or repair of the machine.



6. No persons, including operators, are allowed to sit on the machine as passengers.



7. Never leave the machine without stopping the motor and engaging the emergency stop of the machine and removing the key, so the machine cannot be started by accident.



8. Always wear a face shield when work is carried out with the machine.



9. Keep the machine free of objects, which may block its functions.



10. Never wear loose clothing while working with the machine and keep a safe distance from rotating parts.



11. Be ware of warm surfaces and exhaust gases; they could pose risks of getting burnt.



12. Keep your hands away from the working parts of the machine.



13. Keep the motor area free of dust and dirt in order to reduce the risk of fire.



14. Always have the machine within your range of vision and be ready to react if there are holes or irregularities in the terrain.



15. Always handle the remote control with due care. The operator must therefore always stand on even ground and have a good view of the machine.



16. Never let open fire come near the petrol and oil tanks during filling.



17. Never let the motor run in closed rooms. The exhaust gases are dangerous and potentially fatal.



18. Never let the machine run in places where it could skid or tip over. Let it run slowly on slopes. Special care must be taken when it runs on wet surfaces.



19. Never use the machine when you are under the influence of alcohol, medicine or similar drugs, or if you are tired.



20. Always remove the area to be mowed from all foreign objects, such as stones, cones, sticks, glass or wires and other objects, which might get caught and thrown out by the flails or can damage the machine.



21. When operating the machine for the first time this should take place on a flat and even surface. The operator must wait to run the machine on slopes or hilly terrain until he is well acquainted with its functions.



22. Do not run close to waterholes, holes, dams or other places in the terrain, which might give in to the machine's weight. There is an increased risk of tipping over, when the ground is loose or moist.



23. Do not use the machine if there is less than 30% fuel in the fuel tank because of the risk of running dry.



24. Do not use the mower when the visibility is diminished (twilight, fog, heavy rain etc.) Never run the machine behind obstacles like for instance house corners, behind trees or bushes, in vegetation hiding the machine. Keep a good look out where the machine runs.



25. Please note that if you run the machine below overhead lines, the radio signal might get lost. The machine will then stop the motor and all its movements.



26. In windy weather the operator should choose a place to stand away from the stream of exhaust gases, dust and cut-off grass coming from the machine.



27. Fuel filling must always take place with the motor stopped. Do not start the motor, if fuel has been spilt. If it is necessary to tank up during work, wait until the motor has cooled down.



28. Always stop the motor before you leave the machine. This is done through engaging the red emergency stop button at the control panel and removing the key. Never leave the sender on the machine, keep it in a safe place and away from other persons.

3 SAFETY PRECAUTIONS DURING MAINTENANCE AND ADJUSTMENTS



1. Before attempting to carry out any kind of adjustment or maintenance on the machine, the motor must be stopped. Engage the emergency stop button of the machine and remove the key from the emergency stop button (to prevent unauthorized persons from starting the motor.)



2. Make sure that all parts of the machine are stationary before carrying out maintenance or adjustments.



3. **Hydraulic system:**

- a. Only persons who are familiar with hydraulic systems (including the risk on contact with hydraulic fluid, especially under pressure) are allowed to carry out repair and maintenance of the hydraulic system of the machine.
- b. The excess-pressure valves are set by the factory must **not** be adjusted without previous agreement with the dealer, importer or service department at Timan A/S.
- c. Claims for damages after incorrect use or maintenance/repair will not be accepted.
- d. Check the proper condition of the hoses before every use (if frayed, worn, twisted etc.) and replace any damaged part immediately.



NB: Never attempt to find leaks in the hydraulic system with your hands – hydraulic fluid under high pressure coming from minor leaks can be invisible, and such a fine oil jet under high pressure can damage your hand; instead a piece of wood, carton or the like should be used.



4. Batteries:

The batteries contain a sulphuric acid electrolyte, which can cause serious burns and produce explosive gases. Avoid getting this liquid on your skin, into your eyes or on your clothing. Do not swallow the liquid. The necessary measures mentioned below must be observed:

a. Never be near open fire when checking the level of the electrolyte. Keep sparks, flames and lit cigarettes away.

- b. Be careful not to produce sparks with the cable terminal, when charging the battery or starting the engine with an auxiliary battery.
- c. Protect your eyes, when working near the batteries.
- d. Provide for good ventilation during charging or work in closed rooms.

Should you by accident get electrolyte on your skin, into your eyes or you swallow it, you must start the following treatment:

Skin: Wash with cold water.

Eyes: Wash with cold water and consult medical aid immediately.

Internal: Consult medical aid immediately.

5. During welding at the RC-750:

Always remove the positive from the battery of the machine and engage the emergency stop button of the machine and remove the key from the emergency stop button.



6. Always replace any safety guard, which has been removed to make an adjustment or to carry out routine maintenance. Always ensure that all nuts, bolts, screws, etc. are correctly tightened after making adjustments. Please see the section 'Torque Moment'. The first control is to be carried out after 8 hours' of operation. Account for all tools before replacing guards or before starting the machine.



- 7. Make sure that all persons are clear of machinery and visible to the operator before starting the machine.
- 8. Use only original Timan A/S' spare parts.
- 9. Stop working and clean the machinery from dust regularly in order to prevent overheating of the machine.

4 SPECIFICATIONS

4.1 Specifications

| Model | RC-750 | |
|------------------------|--|--|
| Motor | Honda IGX440 | |
| Number of cylinders | 1 | |
| Cylinder volume | 1498 | |
| HP/kW | 15/11 | |
| Maximum rpm. | 3600 | |
| Cooling system | Air cooling | |
| Fuel tank | 5.11 | |
| | | |
| Transmission | Double piston pumps Sauer Danfoss | |
| Wheel motors | Orbit motor Sauer Danfoss | |
| Speed | 0-6 km/h | |
| Electric system | 12 volt | |
| Generator | 20 amp | |
| Flails | 16 stk. hammering flails / 32 Y flails | |
| Coupling | 12 V electromagnetic | |
| | | |
| Dimensions and weight: | | |
| Length | 1860 mm | |
| Width | 865 mm | |
| Height | 585 mm | |
| Turning radius | 0 | |
| Overall weight | 340 kg | |
| Noise level | 107 dB(A) | |

4.2 Noise test

To RC-750 is made a noise measurement. This measurement is diminished outdoors on a level with the lawn mower activated and the engine operating at maximum revolutions. Measurements are made according to DS / EN 10094

Noise level is measured to LwA = 107 dB with a measurement accuracy of + / - 2 dB Noise level 15 m from the machines are intended to LA15m = 75.2 dB

4.3 EU Declaration of Conformity

EU Declaration of Conformity

2006/42/EU App. II A

Manufacturer:

Name Timan A/S
Address Fabriksvej 13
Postal code and town DK-6980 Tim

Technical dossier compiled by (authorized by the manufacturer):

Name Henning Pedersen
Address Fabriksvej 13
Postal code and town DK-6980 Tim

hereby declare that the machine model:

- RC-750 with the type number 410100-02

was manufactured in conformity with the provisions in the following EU COUNCIL DIRECTIVES:

- 2006/42/EC Machine Directive
- 2006/95/EC Low-voltage Directive
- 2004/108/EC EMC Directive
- 1999/5/EC R & TTE Directive

under the employment of the following harmonizing standards:

- DS/EN 745 – 1999 Safety Flail Mower

and the below mentioned national standards and technical specifications:

Signer: Position: Place: Date:

Henning Pedersen Technical Manager Tim 15.02.2010

Signature

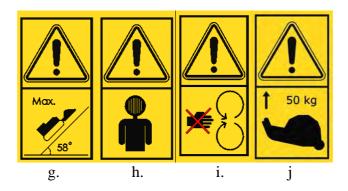
5 EXPLANATIONS FOR THE WARNING SIGNS ON THE MACHINE

Every measure is taken during the development of the machine in order to secure the operator against all safety risks. In special operating situations the machine can nevertheless pose a risk. The machine is therefore provided with warning signs in order to reduce the risks and it is important to pay attention to the potential risks indicated by the warning signs. Please read the explanations for the symbols carefully and learn what they are indicating.



Keep the warning signs clean and replace them immediately, if the get damaged or lost.





- a. WARNING: Read the manual carefully before utilizing the machine.
- b. WARNING: Before service is carried out on the machine you must stop the machine, engage the emergency stop button, and remove the key from the contact. Follow the instructions given in the manual.
- c. WARNING: It is not allowed to have passengers or to sit on the machine, when it is running
- d. WARNING: A 15 m safety distance must be kept to the operator and to other persons and animals. There is a danger of getting hit by thrown-out fragments.
- e. WARNING: Rotating vertical flail bar. Keep hands and feet at a safe distance then can be damaged.

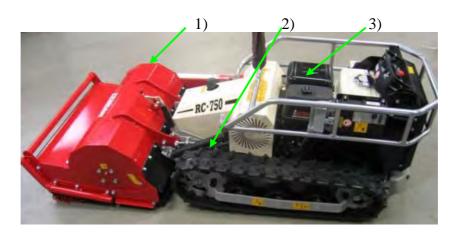
- f. WARNING: The operator must always be on the side of the machine, never in front of it. If he does, fragments thrown out by the mower can hit him. When driving on slopes, the operator must not be downhill where the machine could hit him, if it turns over.
- g. WARNING: Never drive on slopes that are steeper then 58 deg. If you do, the motor will not be sufficiently lubricated and get damaged. The machine is also at great risk of turning over.
- h. WARNING: Always use a face shield to protect your face against thrown-out particles.
- i. WARNING: Danger of trapping hands or feet. Do not put your hands or feet into the tracks.
- j. WARNING: Mower weighs 50kg. when it is raised into service position must it always be done by 2 persons.

6 CONSTRUCTION OF THE MACHINE

The flail mower is designed as a remotely controlled self-propelled unit.

The main parts of the machine are:

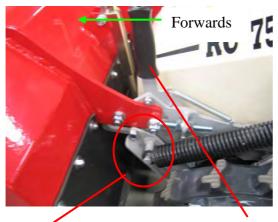
- 1. Mower
- 2. Tracks
- 3. Motor and hydraulics



6.1 Mower

At the front of the machine the flail mower is fitted. It is powered by the Honda motor through belts.

The mower is mounted to the chassis on arms such that the mower can move up and down independent of the chassis of the machine. When the mower is in working position, two supporting arms lock the vertical movement of the mower and prevent it from exceeding 15 degrees. The supporting arms are spring suspended in order to shift some of the mower's weight to the chassis. This reduces the friction between the mower and the ground, when the machine is turned.





Supporting arms

Lever for lifting the mower

Mower in service position

The mower is raised, when flails need to be replaced or for carrying out service of the mower. To raise the mower, move the lever forwards and then lift it off the supporting arms. In the top position a holding mechanism will lock the arms of the mower in its service position. To return the mower into its working position again, raise the mower slightly and at the same time push the lever forwards. This will disengage the holding mechanism, and the mower can be lowered.

The machine is mounted with a safety sensor that prevents the mower from being started, when it is in service position.



The mower weighs 50 kg. Two persons should always carry out lifting and lowering the mower.



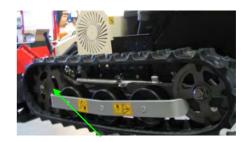


6.2 Tracks

The chassis of the machine is provided with two hydraulically powered tracks.

The tracks are suspended at the front of the chassis and connected through a triangle with its turning point about the centre of the chassis at the rear end of the machine.

The tracks can move independently of one another, and thereby 100% ground contact of the machine is always ensured, even when driving on uneven ground.



Turning point

When driving in hilly terrain where the soil is loose, rubber spikes can be obtained for the tracks as optional equipment. Thereby the grip of the tracks on slopes will be increased. Look at chapter 11.2





6.3 Motor and hydraulics

The machine is equipped with a 15 hp air-cooled Honda motor, which powers the hydraulic pump and the flail mower through a belt drive. In the driving line between mower and motor there is an electromagnetic coupling with springs that automatically disconnect the mower, if the current disappears. The coupling is engaged and disengaged with the remote control. At the rear end of the machine a suction box is mounted, through which the motor sucks its cooling air.

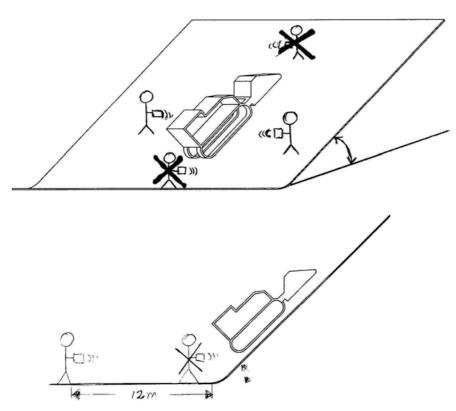
The hydraulic pump is provided with a fan blade that directs cold air around the pump housing to prevent excessive heating of the hydraulics. A hydraulic oil cooler is also mounted in the suction box.

The speed and direction of the machine is regulated by the quantity of oil that each of the hydraulic motors for the tracks gets from the pump. The oil quantity given by the pump to each of the two hydraulic motors is decided by two servomotors, which are connected to the speed control alarm of the pump. These servomotors are controlled with the remote control.

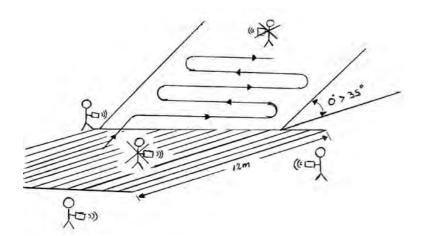
7 RECOMMENDED OPERATING INSTRUCTIONS

The diagrams below show the basic grass cutting methods in different types of terrain. The operator must, however, each time assess these methods.

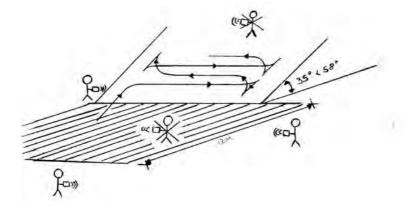
During different terrain and weather conditions another method might be better to use than these suggestions. It is the responsibility of the operator to choose the most suitable method. In any case it is absolutely necessary to keep all safety regulations stipulated in this manual.



The operator must never be in front of the flail mower when it is running. There he it at risk of getting hit by thrown-out fragments. The operator must never be downhill in relation to the mower unless a safety distance of minimum 12 m is kept from where the inclinations starts. The operator could be hit by the machine, if it turns over.



For the operation on slopes with inclinations between 0 and 35 degrees crosswise driving is recommended. At the ends the machine is turned 180 degrees to the driving direction. The operator must stand as shown in the drawing.



When driving on inclinations between 35 and 58 degrees it is recommended to drive crosswise on slopes.

At the ends the front of the machine is turned toward the hill and at the same run forward and then reversed straight back. Then it is moved forward again to complete the turning. The operator must stand in one of the positions shown in the above drawing.

It is important that the operator is concentrated and cautious to possible dangers or changes in the terrain when mowing with the machine on slopes. Experiences have shown that it is important to:

- avoid sudden accelerations, quick turnings and hard breakings;
- drive at a slow speed, i.e. below 50 % at the remote control;
- avoid driving in cut-off material, because there the machine can skid;
- be cautious when driving from sunlit to shaded areas, because the ground might be damp there;
- avoid holes and loose ground.

If the operator needs to stop the machine on a slope, the machine must always be placed with the tracks crosshwise on the hill. This will prevent the machine from moving down the slope.

8 STEERING

8.1 Control boxes

The RC-750 is equipped with two control boxes.

Important: The boxes must in no circumstances be washed. If the boxes get damaged, all parts involved must be replaced at once.

The box in the left side of the machine is the NBB control box. With this box the machine's coupling, two servo-motors of the hydraulic pump's speed control arms, tilt sensor, revolutions of the Honda motor, start and stop of the Honda motor and the horn are steered. The box is maintenance free and must not be opened without previous agreement with Timan A/S.



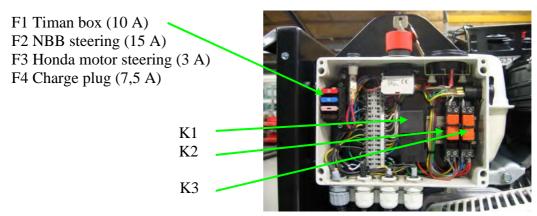


Control box in the left side

Control box in the right side

The box in the right side of the machine is the Timan control box. This box contains emergency stop, hour counter, fuses and relays, ignition light and current for the NBB control box. Look in app. 1

IMPORTANT! Never replace fuses with fuses of a higher amp value. Always investigate the cause and rectify the problem, before a new fuse is inserted. The top fuse is F1, the lowest is F4.



Relays:

K1: Relay for bonding strip 12V 70 amps

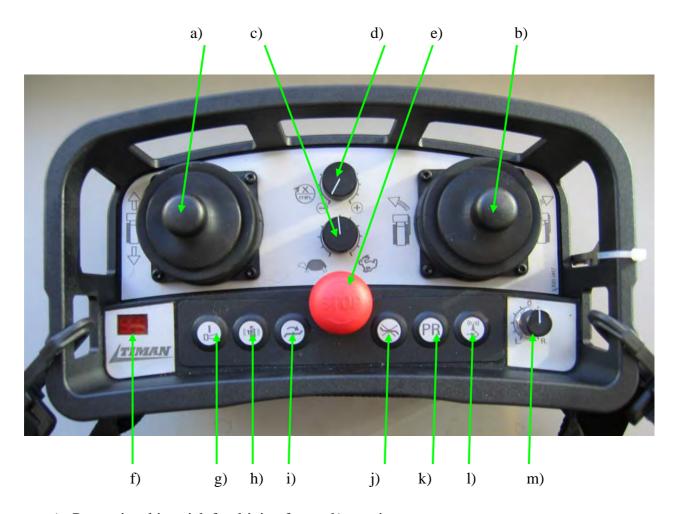
K2: Relay for fuel ignition (IGN) / fuel spool (Fs coil)

K3: Relay for hour counter and charge light

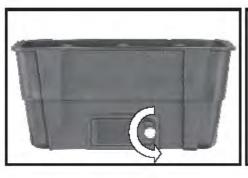
8.2 Remote control NBB

Before the machine is started, it is important that the operator has acquainted himself thoroughly in the steering of the machine with the remote control.

The functions are described in detail in section 11.



- a) Proportional joystick for driving forward/reversing.
- b) Proportional joystick for turning right/left.
- c) Turning potentiometer for selection of maximum speed.
- d) Knob for throttling. During operation (with the mower engaged) 100% gas is given.
- e) Emergency stop. This button stops the motor and puts the forward drive neutral. The contact is activated through turning the button clockwise so it jumps out.
- f) Diode field. During normal operation a blinking dot appears. If a blinking L shows up, the batteries in the remote control are close to being empty and need to be replaced. Please see below.
- g) Horn.
- h) Start: the motor starts when this button is activated.
- i) Start of mower.
- j) Stop of mower.
- k) Button for programming.
- 1) Frequency button.
- m) Trimming button.





The battery can be replaced after slackening the finger screw and removing the lid in the rear end of the remote control.



Normal operation – a red blinking light appears.



When a blinking L appears, the batteries are nearly empty – there is approx. 30 minutes of driving time left.

Batteries: Two rechargeable 1,2 V AA NiMH or two 1,5V AA batteries are to be used. Batteries operation time is between 20-30 hour.

9 RC-750 SAFETY SYSTEM

The RC-750 flail mower is remotely controlled. This means that the operator will at times be away from the machine. In order to increase the safety for the operator and other persons, the machine is provided with a safety system, which can be activated both manually and automatically.

| If the mower gets out of reach of the radio signal | Emergency stop is activated automatically |
|--|--|
| If the radio signal is disturbed | Emergency stop is activated automatically |
| Another machine is using the same radio | |
| frequency | Emergency stop is automatically engaged |
| If dangerous situations occur | Activate the emergency stop at the machine |
| | Activate the emergency stop of the remote |
| | control |
| Flail mower is lifted into service position | Safety precautions will prevent the |
| Radio link between receiver and sender is not | |
| established | motor from starting |
| Defective fuses | |
| Emergency stop activated on remote control or | |
| machine | |

If the emergency stop is activated automatically, or if the emergency stop of the remote control is activated, the following happens:

- The motor stops.
- The forward drive is put neutral.
- The coupling of the mower remains engaged, until the motor stands still.

When the emergency stop of the machine is activated, the power to all electric components will be cut and cause the machine to stop.

10 PREPARING THE MACHINE

10.1 Delivery of the machine to the dealer

The machine is in working order when it leaves the factory. It is filled with motor oil, hydraulic oil AND some petrol.

Before the delivery the machine has gone through an end control at Timan A/S, where it has been started up and the functions have been thoroughly tested.

The machine is delivered to the dealer on a pallet or in a wooden crate.

The shipment includes the following parts:

- Remote control
- Key for emergency stops of the machine (two)
- Operator's manual for the RC-750
- Operator's manual for the Honda motor iGX440
- Spare parts catalogue

10.2 Control of motor oil level

Always stop the motor before checking the oil level and before changing the oil.

Please note:

The machine must stand on level ground when the oil level is checked. It is not possible to measure the oil level accurately, if the motor is leaning.

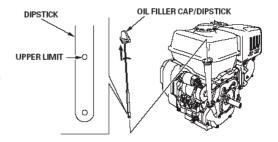
Check the oil level in the motor before it is started or more than five minutes after it is stopped.

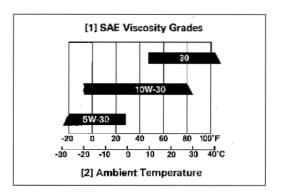
The location of the oil gauge dipstick is shown in the picture.

It is important that the oil level is always on maximum level, because otherwise there is a danger that the motor will lack oil when driving is carried out on slopes.

Important: Check the oil level every 4 hours during operation. The motor has no sensor that signals on too low oil level.

Take care that no dirt or water gets into the oil. Change the oil according to the service plan. Necessary oil quantity is approx. 1.0 l.





The motor oil must comply with or be better than the requirements according to the API classifications SE, SF and SG.

The temperature of the surrounding area decides, which oil type should be used, but if SAE 5W-30 or SAE 10W-40 is used, the machine can operate in a very broad temperature range from below 0°C to over 40°C.

At the factory the motor is filled with Texaco Havoline Extra semisynthetic easy flowing SAE 10W-40 oil with the API classification SJ.

If you want to fill with an oil of a different trademark, the miscibility with the brand in question must first be checked. If the oil that you wish to change to is not miscible with the abovementioned oil, the old oil must first be entirely emptied out, before the new oil is filled into the machine.

10.3 Control of hydraulic oil level

Before operating the machine it is important to check if the hydraulic oil level is correct.

The machine must then stand on a level surface.

It is important that the motor is stopped when the oil level is checked.

The hydraulic oil must always stand to the dent in the oil gauge dipstick. Top up with oil if the level is too low. Make sure that no water or dirt gets into the oil. Always clean the area around the oil gauge before it is unscrewed.

Pour the oil slowly and carefully. Remove any spilt oil immediately.

The hydraulic oil tank is filled with Texaco Havoline Extra semisynthetic easy flowing SAE 10W-40 oil with the API classification SJ. Only use this oil type for filling. If you want to use another brand, please contact Texaco first for information about the miscibility.



10.4 Control of air filter

A dirty air filter will reduce the air flow to the combustion chamber and thereby the capacity of the motor.

If the motor is operated without an air filter or with a damaged air filter, will make it possible for dirt to get into the motor, which will result in heavy wearing and breakdown.

The air filter is to be cleaned as follows:

- 1. Slacken the nut for the air filter guard and remove the guard.
- 2. Remove grass and other large particles with the hand.
- 3. Slacken and remove the wing screw for the air
- 4. Pull the foam filter off the paper filter.
- 5. Inspect both filters and replace, if they are damaged.
- 6. Clean both filters, if they are to be used again.

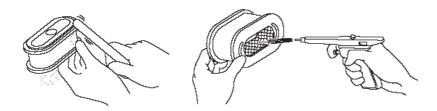
The filters must always be changed as stated in the service manual.

Clean the paper filter through striking it lightly with a hard object so that dirt falls out of the element or through blowing compressed air of maximum 30 psi through the filter element from the inside out.

Nut

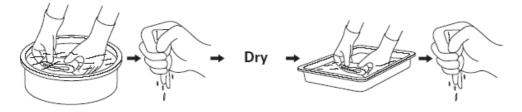
Gasket

Never try to brush the dirt off because this will force the dirt into the fibres of the filter.

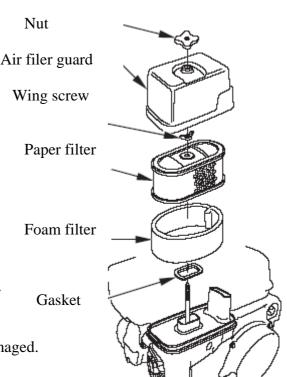


Clean the foam filter element in warm soapy water and then rinse and dry it thoroughly. Dip the filter element in clean motor oil and then press any surplus oil out.

The motor will smoke if there is too much oil in the foam.



Mount the filter again after cleaning in the reverse order to the above description.



10.5 Preparation of the battery

The RC-750 is provided with a 12V 18A battery. The battery can be damaged if it is treated incorrectly. In order to give full effect the battery must be treated in the correct way.

The battery is located under the white guard. Remove the retaining bolts for the guard.

- If the generator of the motor is defective or if the machine has been standing still for a long time, the battery can run low of power. Make sure it is recharged before it is too late.
- The battery is maintenance free during its entire life. That means no distilled water needs to be added. If the battery is heavily surcharged, however, some evaporation can take place, and the battery should then be replenished with distilled water.
- When work is carried out on the battery, the main switch/emergency stop must always be engaged and locked.
- Never disconnect the cables from the battery when the motor is running. It might damage the generator if they are.



Only use a 12 volt battery for starting aid.

The machine's battery can be recharged directly with a charger connected to the cigarette plug located in the right side of the machine.

A pulse charger is obtainable for the machine as optional equipment. This can be connected all the winter, and thereby the maintenance of the battery will be optimised.

The emergency stop/main switch must always be engaged and locked during charging.



Charge plug



Warning: The machine must never be started when the charger is connected.

10.6 Fuel tank

The motor is certified to run on unleaded petrol with the octane rating 86 or higher.

It is important that the machine stands on a level surface during fuel filling.

It is important that the tank is completely filled before the machine is operated. During operation the tank must be replenished at intervals of 1 hour in order to avoid the motor from running dry.

Fuel filling must take place in a well ventilated area and with the engine stopped. If the motor has been running it is important to let it cool off before fuel filling.

Warning: Petrol is very flammable and explosive, be ware of the risk of getting burnt or serious injured. Open fire during filling is strictly prohibited.

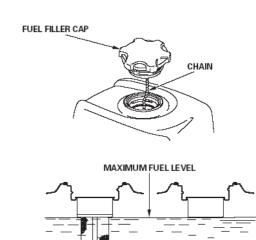
It is important not to spill any fuel during filling because the painting and certain types of plastic can be damaged. A hopper should always be used for fuel filling.

Do not fill more fuel into the tank than the maximum level shown in the picture.

Never use fuel that is too old, polluted or mixed with oil.

Avoid getting dirt or water into the fuel tank.





11 OPERATION OF THE MACHINE

11.1 Using a new machine

The life of a new machine depends on the way it is operated and maintained. New machines directly from the factory are of course thoroughly tested, but the different parts are not jet adapted to one another. It is therefore important to drive at a reasonable speed and avoid extreme strain during the initial 50 hours of operation, to allow all parts to run in.

The life of the machine depends highly on the way the machine is taken care of during the running-in period. The running-in is very important for an optimum output and lifetime of the machine. The following precautions should therefore be taken:

Running-in period.

Change motor oil and hydraulic oil filter after the first 20 hours of operation.

11.2 Controls to be carried out before start

- 1. Check if there is enough petrol in the fuel tank (octane 86 or higher).
- 2. Check the hydraulic oil level must stand to the mark at the oil gauge dipstick.
- 3. Check the motor oil level. The oil must stand to the maximum level.
- 4. Check if the flails of the mower are undamaged. Replace any damaged flails. Driving with damaged flails can cause imbalance of the mower and an unsatisfactory mowing result.
- 5. Clean the air filter of the motor.
- 6. Check the V-belts and lubricate bearings and bushings according to the lubricating schedule.

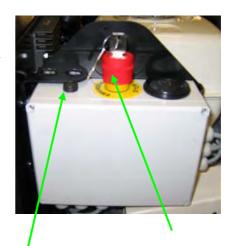
11.3 Start of the machine

After the machine has been started it is important to let the motor run idle for minimum 2 min. This particularly applies in very cold weather.

Insert the key in the emergency stop/main switch of the machine. It is positioned in the right side of the machine. Turn the key and the knob is pushed up. Now the ignition light to the left of the emergency stop is lit.

Please note: The motor cannot be started if the mower is in service position.

The starting sequence is shown in the picture below:



Ignition lamp

Emergency stop/main switch



3.) The horn is activated briefly

Display

2.) The throttling is set to 0%

1.) Turn the emergency stop/main switch. A small dot appears on the display. The horn sounds a beep to signal that sender and receiver of the remote control are connected.

4.) Activate the starter button. Release the button as soon as the motor starts.

The motor has an automatic choke and regulates the extra quantity of fuel it needs for the start automatically. Never try to activate the choke contact in the left side of the motor during attempts to start the motor.

Important: The motor must never run more than 5 sec. from the self-starter because it will heat and can then be damaged.

Before a new attempt to start the motor again, at least 10 sec. have to pass.



Warning: Keep a distance to the machine when it is started.

11.4 Stop of the machine

Make sure that the machine stands on level ground before stopping. Reduce the throttling to a minimum, before stopping the motor.

- 1. For parking, the emergency stop on the remote control is activated.
- 2. Activate the emergency stop/main switch at the machine and remove the key. Unless the main switch is activated and locked, the machine will start beeping after 10 sec.

The machine begins to beep to remind the operator that he should remove the ignition of the machine and as a safety precaution to prevent unauthorized persons from starting the machine.

If the motor has been working under heavy strain it is important to let the motor run idle for 2 min. before stopping it.



Warning: Stop the motor immediately:

- 1. if the motor revolutions are suddenly reduced or increased;
- 2. if the colour of the exhaust gas changes;
- 3. if you hear a sudden unusual sound;
- 4. if the mower of the machine begins to shake/vibrate.

11.5 Start/stop of mower

The mower can only be activated when the motor is running.

Check before connecting the mower that the cutting height is correctly set.

The mower must never be connected in high vegetation. This could damage the coupling. Always connect the mower on an area with short grass and then drive it to the higher vegetation.



Warning: Keep a good safety distance to the machine when the mower is started. Never start the mower, if there are other persons around. Respect the safety distance of 15 m from the mower. The mower can throw fragments out in front of it.



Start mower Stop mower

When the mower is connected, the revolutions of the motor will automatically change to 1900 rpm. After the connection the revolutions are changed to the preset value on the remote control.

11.6 Mowing height

The mower has a carrying roller mounted at the rear. This roller is adjustable with the screw between 30 and 110 mm mowing height.

Adjustment takes place after tilting the locking yoke away from the grip. Then turn the grip counter clockwise to increase the cutting height – and clockwise to reduce the height.

Remember after adjustments to tilt the locking yoke back in over the screw.

The height adjustment is provided with a stop so the 110 mm height cannot be surpassed.

The mower can be equipped with two different types of flails: playing field flails or Y-flails. Both types are movably suspended in shackles.

The playing field flails are often used on finer surfaces, where a good-looking end result is required. The Y-flails are well suited for high grass on rough surfaces.

Height Locking yoke for screw adjusting screw grip



Sticker indicating cutting height

Height adjusting screw

The flail mower is designed and approved according to the EN 745 stipulations, and therefore other flail types than those prescribed must not be used. Replace the rubber or the chains at the mower front at once, if they get damaged, because otherwise there is an increased risk of fragments being thrown out in front of the mower.

On the left side of the mower there is a sticker indicating cutting heights, on a scale between 1 and 7.

The table shows the cutting heights for Y-flails and playing field flails respectively. It is a precondition that the mower is standing on a hard, flat and even surface when the height is adjusted.

The machine is standard supplied with playing field flails.

| | | Playing field |
|-----|---------|---------------|
| | Y-flail | flail |
| Min | 40 | 30 |
| 1 | 50 | 40 |
| 2 | 60 | 50 |
| 3 | 70 | 60 |
| 4 | 80 | 70 |
| 5 | 90 | 80 |
| 6 | 100 | 90 |
| 7 | 110 | 100 |
| Max | 120 | 110 |



Warning: It is not allowed to remove the stop because the machine will then not live up to the safety requirements according to the standard EN 745.

The recommended cutting height varies a great deal as it depends on the terrain, type of surface, flail type and height of the vegetation. But it is important always to set the height in such a way that the flails never touch the ground because this might damage the machine and reduce the life of the flails.

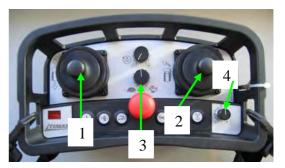


Warning: The cutting height must never be adjusted when the motor is running.

11.7 Operating the machine

The machine is controlled with joystick [1] for driving forward and reversing. Joystick [2] controls the machine's turnings (please see the symbols on the remote control).

Joystick [2] can be used without activating joystick [1]; thereby the direction can be adjusted (right or left), before joystick [1] is activated.



Always select a driving speed that gives a good mowing result. Always start driving slowly and then increase the speed.



Warning: Never drive so fast forwards that the motor revolution drops. This might cause the motor to run warm and become overloaded and result in a breakdown.

With turning knob [3] the maximum forward speed is decided.

The speed is adjustable from 25 % to 100%, which corresponds to a forward speed between 1.5km/h and 6 km/h.



Warning: During mowing, the speed must always be controlled with the joysticks or the speed control knob. Never use the throttling to reduce the driving speed.

When driving on sloping ground it is recommended to drive 50% slower than maximum speed. From 0-60 % the tracks will run in opposite directions when joystick [2]) is activated 100%. From 60% to 100% one track will stop on full activation with joystick [2].

Should the machine turn somewhat to the right or left during the operation, this can be adjusted though turning the trimming button [4]. Turn the button counter clockwise if the machine runs towards the right side.

The position of the trim button depends on the forward speed of the machine. Start therefore by adjusting the machine to the required forward speed. Then trim the straightforward drive. When driving crosswise on slopes, the machine will try to steer down the hill. Adjusting with the trimming button can counteract this.

The trimming button is not factory adjusted for straight driving, when the button is set to 0. It is important always to start driving with the machine on a flat and level surface. The degree of difficulty should not be increased until a good driving experience is reached.

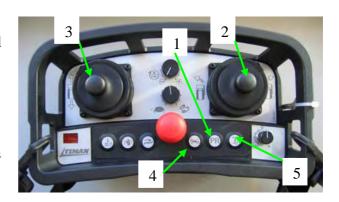
The motor should always to run at maximum revolutions, when the mower is connected. In cold weather the motor should run idle for 2 min. before driving in order for the oil in the motor and the transmission to warm up.

11.8 Programming of position 0

The machine is preset at the factory to stand still when the joysticks are released.

Should this change after a time, the 0 (zero) position can be reset through programming the remote control.

Before this function is used, both tracks must be lifted 5 cm above the ground with a truck or the machine lifted in its lifting eye. Then start the machine and set the revolutions to 20%.



Resetting to the 0 (zero) position takes place as follows:

- 1. Activate the PR [1] button for 3 sec. PR appears on the display.
- 2. For adjusting the left track, move joystick [2] to the left and release it again.
- 3. Then activate joystick [3] in steps. Move the joystick from position 0 and all the way forward if the track reverses, and then release it. If the track is running forward the joystick should be moved backwards. Repeat this in steps until the left belt is standing still. Then press button [4] and the setting is saved.
- 4. For adjusting the right track, move joystick [2]) to the right and then release it.
- 5. Then joystick [3] is activated in steps. Move the joystick from position 0 and all the way forward, if the track is reversing, and then release it. If the track is running forward, the joystick should be moved back. Repeat this in steps until the right track is standing still. Then press button [5], and the setting is saved.
- 6. Activate the emergency stop at the remote control.

11.9 Change of frequency

If the machine's remote control signal is disturbed, the machine will automatically stop. In order to continue the operation, channels must be changed at the remote control.

This is carried out through holding button [1] down and at the same time activate button [2].

Thereby the channel numbers are changed. When a new channel is selected, the horn

signals with a short beep that the change is made.

The channel number appears in the display [3].



11.10 Transport of the machine

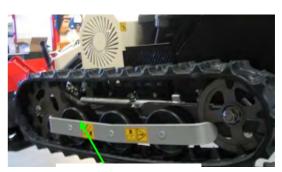
It is important to use a suitable vehicle for transport of the RC-750. Make sure that the machine stands on a solid, level surface and is securely fastened with suitable straps. Secure the machine to the truck bed in the machine's guards (please see the picture).

The machine can move by itself onto the transport means through chutes. Make sure they do not skid or slide when the machine is loaded.

Alternatively the machine can be lifted onto the vehicle, see section 11.13.

It is not allowed to go under the machine when it is lifted

Driving the machine on public roads is not allowed.



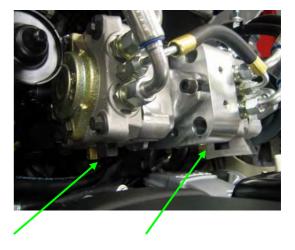
Guard for securing machine on truck

11.11 Towing of the machine

It is possible to tow the machine, if the machine's hydraulics should fail to work, or if the motor cannot start.

Then the guard above the pump is to be dismounted and the two towing bolts are each turned twice with a single end wrench. The machine can then be pushed by hand.

After the towing, tighten the towing bolts again with 14Nm.



Towing screw, right pump

Towing screw, left pump

Please note: There are two bolts in the right side of each pump. It is the lower "gold" coloured bolt that is used for towing purposes.



Warning: The towing bolts must only be slackened with the machine standing on flat and even ground. If they are slackened, when the machine stands on a slope, the machine might move.



Warning: Do not slacken the towing screws until the motor has cooled down. The exhaust manifold is located close to the bolts and poses a risk of getting burnt.

11.12 Lifting of the machine

The machine is equipped with a combined lifting yoke and branch guard. For the lifting of the machine it is important that the lifting equipment employed is approved for lifting minimum 300 kg. Place a hook or lifting strap as shown in the picture.





Lifting eye

11.13 Description of tilt sensor

A tilt sensor is mounted at the rear end of the machine behind the hydraulic cooler. This sensor has two purposes:

- 1. Protection of the motor. The motor is approved and tested for driving on slopes of maximum 58 degrees. If the motor runs at an inclination above 58 degrees, the motor will loose its lubrication capacity and break down.
- 2. Protection of the machine against tipping over.



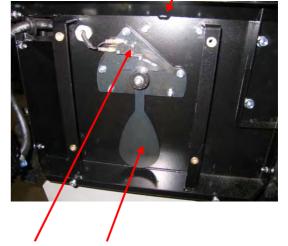
The sensor functions through a pendulum that is activating a contact. When the contact has been

active for more than 1 sec., the machine will begin to beep, and at the same time the mower will be disconnected.



Warning:

The sensor will not have time enough to react before the machine tips over, if the machine runs into a hole or skids on a slope.



Contact Pendulum

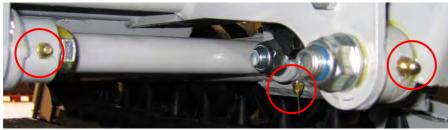
12 SERVICE AND MAINTENANCE

12.1 Lubrication of the machine

Bushings: Timan A/S recommends special grease from Statoil, Greaseway CaH 92, intended for

slide bearings.

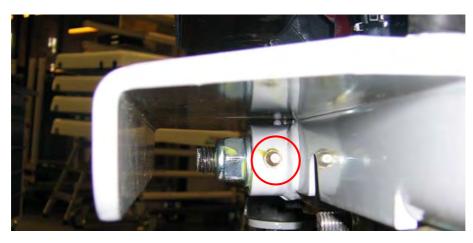
Bushings: To be lubricated every 20 operating hours.



Under the machine front, right side: 3 pcs.



Under the machine front, left side: 3 pcs.



Behind the machine under the triangle: 1 pce.

Bushing for mower 1 pcs. in right and left side respectively.





Ball bearings: Timan A/S recommends the use of grease from Statoil: Uniway LI 62 intended for ball bearings.

Bearings in the mower: Lubricate every 8 operating hours.





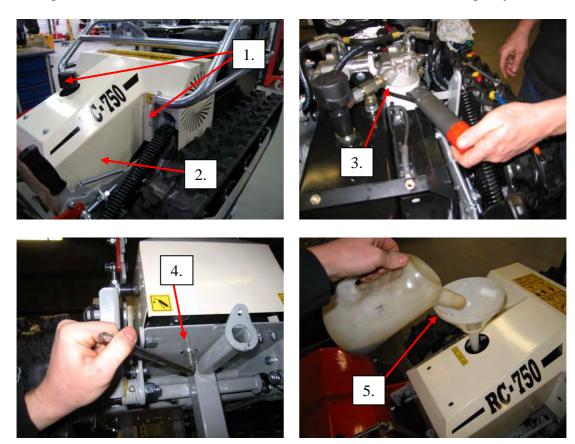
Flanged bearings in driving shaft: Lubricate every 8 operating hours.





12.2 Change of transmission oil and filter

Change of transmission oil and filter is to be carried out in the following way:



- 1. Dismount the branch guard, slacken the two bolts indicated by the arrow, and tilt the branch guard to the back.
- 2. Dismount the guard over the hydraulic oil tank.
- 3. Change the oil filter. Remember to lubricate the seal with oil, before the new filter is mounted.
- 4. Loosen the plug and drain the oil out. Tighten the plug again after draining.
- 5. Refill with approx. 6 litres of 10W40 oil.

Start the machine and let it run for approx. 2 min, then top up with oil.

12.3 Change of motor oil

Motor oil is changed after loosening the drain plug, draining the oil out and retightening the

bottom plug. Then fill with approx. 1 litre of motor oil 10W40.





12.4 Tightening and maintenance of drive belts

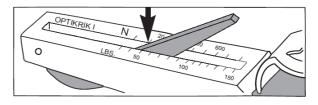
In order to ensure that the belts are correctly adjusted and maintained, a belt tension tester is supplied with the machine. Operating the machine with too slack belts will reduce the life and efficiency of the belts heavily and at the same time cause heavy wearing to the pulleys. If the belts are too tight, there will be an increased wearing to the bearings of the machine. The belt tension tester works in the following way:

- 1. The transmission is turned a few times to spread the tension over the entire belt, before measuring takes place.
- 2. The tension tester is placed on top of the belt and between the pulleys. The pointer is pressed down into the scale.
- 3. The tension tester must only be used with one finger.
- 4. Activate the tension tester with a slowly increasing pressure until a click is heard/felt. Stop pressing at once.
- 5. Remove the tension tester from the belt and the tension can be read at the intersection point between the scale and the front edge of the pointer.
- 6. Adjust the belt tension until the measured value is identical with the tension shown in the below table. Remember to turn the

transmission a few times after each adjustment to make sure that the belt tension in the belt section close to the pulley is the

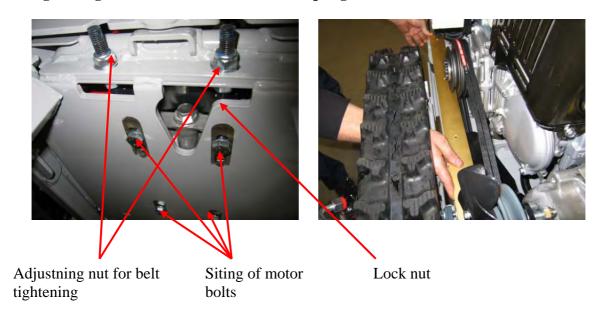
same as that of the entire belt





| Static belt tension (N) | New belt | Run-in belt |
|----------------------------------|----------|-------------|
| Belts between motor and coupling | 375 | 300 |
| Belt between motor and pump | 250 | 225 |
| Belts between coupling and mower | 375 | 300 |

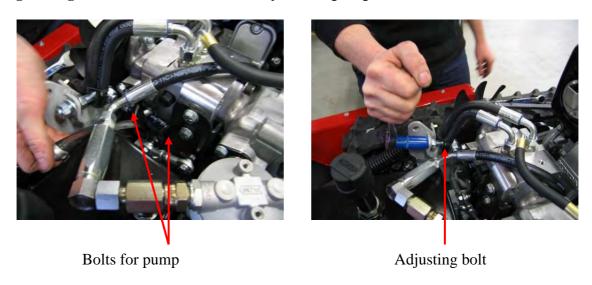
Tightening of belt between motor and coupling



Tighten the belts in the following way:

- 1. Slacken the four bolts that are holding the motor.
- 2. Slacken the lock nuts in the adjusting mounting.
- 3. Adjust the nuts until the correct belt tension is obtained.
- 4. Check with a guide rail if the pulley of the motor is parallel with the coupling. If it isn't, adjust with the nuts. Then check the belt tension.
- 5. Retighten the motor bolts and the lock nuts.

Tightening of belt between motor and hydraulic pump

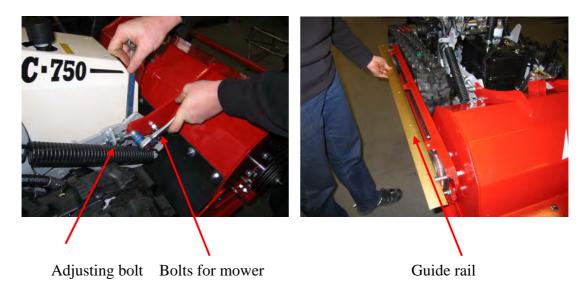


Tightening of the belt is carried out the following way:

- 1. Slacken the two bolts that are holding the pump.
- 2. Slacken the lock nut on the adjusting bolt.
- 3. Adjust the nut on the adjusting bolt until the correct belt tension is obtained.

4. Retighten the pump bolts and the lock nuts.

Tightening of belt between coupling and mower



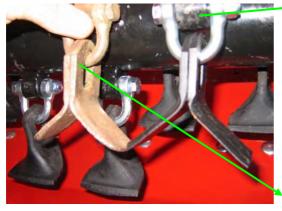
Tightening of the belt is carried out the following way:

- 1. Slacken the four bolts that are holding the mower, two in each side.
- 2. Slacken the lock nuts on the adjusting bolts.
- 3. Adjust the nut on the adjusting bolt until the correct belt tension is obtained.
- 4. Check with a guide rail, if the pulley of the mower is parallel with the coupling. Adjust with the nuts if it isn't. Then check the belt tension.
- 5. Retighten the bolts and lock nuts for the mower.

12.5 Change of flails

The machine can be equipped with two types of flails: Y-flails and playing field flails. It is important to check the following points before starting machinery:

- The number of flails: 32 Y-flails or 16 playing field flails.
- That the shackles can move freely in the bushings of the flail rotor.
- The wearing of the flails. Replace them if they are worn.



Bushing

The picture shows a new and a worn Y-flail. During replacement also check the shackle for wearing in the flail's suspension point and replace the shackle, if there are signs of wearing. When flails are replaced, always also replace the suspension bolts and the lock nuts for the shackles.

Wearing point for shackle



The picture shows a new and a worn playfield flail. During replacement always also check the shackle. Replace bolts and lock nuts.

Always replace the flails before they are too worn. New flails give the nicest mowing result. Adjust the mower's height after the conditions, and never allow the flails to touch the soil.

Important: All flails must be replaced at the same time because otherwise the flail bar will become imbalanced. When the flails are changed, always also replace the bolts and lock nuts.



Warning: Worn bolts can cause the flails to fall off and make a danger.



Warning: Never run machine with missing or damaged flails

12.6 **Tightening of the tracks**

It is important that the tracks of the machine are correctly tightened. Too slack tracks might result in the tracks coming off when the machine is running on slopes. If the tracks are too tight, this will cause an increased wearing of the oil motor and bearings.

Measuring if the tracks are correctly tightened is carried out with a measuring tape placed at the middle carrying roller, where the value 210 mm is read. Then press on top of the track right above the middle track roller and read the value on the measuring tape. With a correctly tightened track the value is then 180mm.

screw

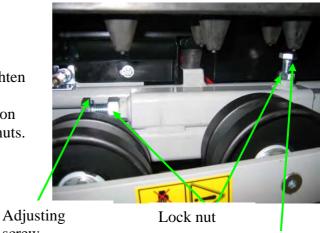


Adjust as follows if the track is too slack:

- 1. Slacken the lock nuts.
- 2. Slacken the rear locking bolt.
- 3. Screw the adjusting screw in to tighten the track.

After the adjustment, check the track tension again and retighten locking bolt and lock nuts.





Locking bolt

12.7 Mounting of spikes

Spikes will increase the grip of the tracks when driving on slopes. They are obtainable for the tracks as optional equipment.

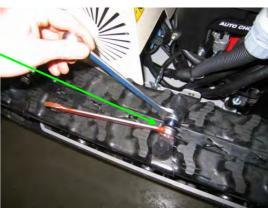
The spikes are mounted between every four track pattern as shown in the picture.



Push the fitting in from both sides of the track and tighten the bolt.



- 14 inner spikes with fittings,
- 14 outer spikes with fittings,
- 14 pcs M10x25 bolts,
- 28 pcs M10 discs,
- 14 pcs M10 lock nuts.



12.8 Cleaning of the machine

It is important to clean the machine thoroughly every day to prevent grass and dust particles from posing a potential risk of fire. This specially applies to the motor compartment around the drive belts.

In order to prevent heating of the hydraulic system, cleaning of the grates, in the side of the guard above the hydraulic pump and at the rear end of the machine, and removal of grass and dust regularly during the day is important.





Important: The machine must not be cleaned with high-pressure because then there is a great risk of damaging the bearings and the electric components.

12.9 Torque moments

A correct tightening of the bolts and screws of the machine is important in order to prevent that its vibrations slacken them. Please see the below table.

| Bolt type 8.8 qual. | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 |
|---------------------|-----|----|----|----|----|-----|-----|-----|-----|
| Moment Nm | 1,5 | 3 | 6 | 10 | 24 | 47 | 81 | 197 | 385 |

Important: All bolts that are not locked with a locking bolt must be provided with Loctite (thread securing).

Important: When the Honda motor is repaired, the torque moments stated in the motor manual are to be followed.

13 FAULT LOCALISATION

| Problem | Possible error | Possible solution |
|--------------------------|---|--|
| Motor runs with | Spark plug [*1] | Check distance or replace spark plug |
| the self-starter, but it | Wire damaged | Replace or repair wire |
| doesn't start | Fuel filter clogged [*1] | Clean filter in carburettor |
| | No fuel [p.26] | Refill fuel |
| | Vacuum valve under fuel tank | Replace valve |
| | Motor ECU [*1] is blinking | Find fault as described in motor manual |
| | Mower is in service position [p.14] | Put mower into working position |
| | Defective NPN sensor [p.14] | Replace sensor |
| | Distance too big for NPN sensor [p.14] | Adjust sensor – until diode is lit |
| | Defective K2 relay [p.18] | Replace relay |
| Motor is not running | Battery discharged [p.25] | Charge the battery |
| from self-starter | No light in ECU lamp [*1] | Check 3 A fuse |
| | Defective 30 A fuse | Replace 30 A fuse at rear of motor |
| | Gas potentiometer not in 0-position [p.28] | Turn potentiometer into 0-position (zero) |
| | Horn has not been activated [p.28] | Activate the horn |
| | Defective 10A, 15 A, 3A fuses [p.18] | Replace the fuses |
| Motor is smoking | Air filter [p.24] | Clean / replace air filter |
| Mower will not start | Defective K3 relay [p.18] | Replace relay |
| Mower will not start | Coupling defective | Replace coupling |
| | Check wire and plug | Replace wire or plug |
| | Defective drive belt for mower [p.39] | Replace belt |
| | Defective drive belt for coupling [p.39] | Replace belt |
| Mower stops | Tilt sensor is active [p.35] | Move to a flatter area |
| <u> </u> | | |
| Machine cannot run | Defective servomotor | Replace servomotor |
| M 1 1 | Drive belt damaged [p.39] | Replace belt |
| Mower vibrates | Defective bearings Dirt on flail bar | Replace bearings in mower Clean flail bar |
| | | |
| | Flail missing [p.42] | Mount new flail |
| 36 1: 1 | Worn flail [p.42] | Mount new flails |
| Machine has not enough | Damaged hydraulic pump | Replace pump |
| pulling power | Drive belt is slack [p.42] | Tighten belt |
| | Hydraulic motor defective | Replace hydraulic motor |
| | Oil is overheated [p.45] | Clean cooler, rear grate and guard grate |
| | N | over the hydraulic pump |
| NT 1 1 | Not enough transmission oil [p.23] | Refill oil |
| No contact between | Machine outside operational range | Move remote control closer to receiver |
| remote control and | Disturbing radio signal [p.33] | Change frequency |
| receiver | Emergency stop of machine engaged | Disengage emergency stop |
| | Defective 15A fuse [p.18] | Replace fuse |
| | Emergency stop of remote control engaged | Disengage emergency stop |
| Machine makes noise | Defective flanged bearing by coupling | Replace bearing |
| | Defective guard bearing | Replace bearing |
| <i>D</i> | Defective bearings in mower | Replace bearings |
| Poor mowing result | Worn flails [p.42] | Replace all flails |
| | Driving speed too high | Lower the speed |
| | Incorrect flail type [p.31] | Change flail type |
| Horn without function | Mower is in service position [p.14] | Put mower in working position |
| | Defective 3A, 10A, 15A fuses [p.18] | Replace fuses |
| Horn automatically | Tilt sensor is activated [p.35] | Move to a flatter area |
| activated | Emergency stop of remote control activated, | |
| | emergency stop of machine not activated | Activate emergency stop of machine |

[*1] See motor manual

14 MAINTENANCE AFTER THE SEASON

When the season ends, or if the machine is not to be used during a month or more, it is recommended to prepare it for storage.

Please follow the below mentioned important steps:

- Clean the machine thoroughly, especially the mower.
- Replace worn parts.
- Lubricate the inside of the mower with oil to prevent it from corroding.
- Retighten screws and bolts.
- Check if the bearings are worn, replace them if they are.
- Lubricate the machine according to the lubricating plan.
- Dismount the battery and store it in a dry and warm place.
- Store the remote control in a dry and warm place.

15 GUARANTEE STIPULATIONS FOR THE RC-750

Regarding the petrol motor:

It is a condition for the guarantee that the service intervals are strictly kept. Any inquiries in this connection are to be directed to the service department at your local dealer or importer or the service department at TIMAN A/S.

1st service 10 to 20 hours Thereafter every 100 hours

Responsibility for defects in the article:

- 1. Any parts which turn out to be unfit for use or are found to have considerably reduced performance due to circumstances before the handover in particular poor quality of manufacture or material will be repaired or exchanged free of charge, at the option and reasonable estimation of the supplier. The supplier is to be informed immediately in writing, when such defects are observed. Exchanged parts become the property of the supplier.
 - The guarantee period is <u>1000 operating hours or 12 months</u>, whichever comes first. The responsibility of the supplier ceases 12 months after the article has left the supplier's factory or at the latest after the machine has finally been taken over by the customer. For significant parts of other origin the responsibility of the supplier is limited to the guarantee granted by his supplier.
 - Service book and service plans must be followed and provided with valid stamps in order for the guarantee to be in force during the guarantee period.
- 2. The supplier is not responsible for damages due to:
 Unqualified or unskilled operation, incorrect mounting or starting up carried out by the customer or third party, natural wear, incorrect or careless handling, unfit working means,

the use of non-genuine parts, faulty repair, chemical or electric influence, or any other defect which cannot be traced back to the supplier.

- 3. For carrying out of all necessary improvements and replacement supplies according to the reasonable estimation of the supplier, the customer must, after agreement with the supplier, allow the time and occasion necessary for the supplier. Otherwise the supplier is released from his responsibility. Only when there is imminent risk of the working safety or for the prevention of disproportionately greater damage, in which cases an agreement has to be made with the supplier at once, the customer is entitled to repair the breakdown himself or have it repaired by a third party and then demand a previously agreed compensation from the supplier.
- 4. For all approved claims the supplier undertakes the expenses of spare parts incl. of freight as well as adequate labour costs at the suppliers known rates. Further, if it on some occasions can be demanded, also the costs of assistance from servicemen, whom he may have to make available. Other costs are the responsibility of the customer.

Claim reports that are incorrectly completed will not be processed.

Repairs are to be carried out immediately and not later than 14 days from the date of the damage.

Claim reports not received by the importer eight days after the execution of the repair at the latest will not be approved.

Claim parts returned on the request of Timan A/S must be at the factory not later than eight workdays after the receipt of replacement parts. Returned parts can only be approved, if they are provided with the mark and number of the claim report.

Any complaints of decisions in connection with claims are to be advanced not later than three weeks from receipt of the treated claim.

- 5. Spare parts and repairs carried out by the supplier are guaranteed for 3 months. However, the guarantee runs at least till the end of the original guarantee period for the delivery.
- 6. The supplier has no responsibility whatsoever for the consequences of any unskilled changes or repairs carried out by the customer or third party without previous agreement with the supplier.
- 7. No further claims from the customer, especially for consequential losses not directly associated with the machine itself, will be considered.

Services are to be carried out on the machine according to the Service Plan for RC-750. Service plans for use in the workshop, where your services are performed, can be found at the back in this service book. Please ask the workshop to place stamps in the service book and in the service interval scheme below to help you to follow the intervals better.

Service parts for RC-750

| Spare par | ts for 20 hours' service | | |
|-----------|----------------------------------|---|-------------|
| | Spare part number | Denomination | Quantity |
| | 22101004 | Return filter transmission oil | 1 |
| Spare par | ts for 100 hours' service | ce | |
| | Spare part number | Denomination | Quantity |
| | 22601010 | Air filter iGX440. | 1 |
| Spare par | ts for 200 hours' servi | ce | |
| | Spare part number | Denomination | Quantity |
| | 22601010 | Air filter iGX440. | 1 |
| Spare par | ts for 300 hours' service | ce | |
| | Spare part number | Denomination | Quantity |
| | 15901023 22601010 22101004 | Spark plug for iGX440 Air filter iGX440. Return filter transmission oil | 1 1 1 |
| Spare par | ts for 400 hours' servi | ce | |
| | Spare part number | Denomination | Quantity |
| | 22601010 | Air filter iGX440. | 1 |
| Spare par | ts for 500 hours' service | ce | |
| | Spare part number | Denomination | Quantity |
| | 22601010 | Air filter iGX440. | 1 |

| Spare parts for 600 hours' servi | ce | |
|----------------------------------|--------------------------------|----------|
| Spare part number | Denomination | Quantity |
| | | |
| 15901023 | Spark plug for iGX440 | 1 |
| 22601010 | Air filter iGX440. | 1 |
| 22101004 | Return filter transmission oil | 1 |
| Spare parts for 700 hours' servi | ce | |
| Spare part number | Denomination | Quantity |
| 22601010 | Air filter iGX440. | 1 |
| Spare parts for 800 hours' servi | ce | |
| Spare part number | Denomination | Quantity |
| 22601010 | Air filter iGX440. | 1 |
| Spare parts for 900 hours' servi | ce | |
| Spare part number | Denomination | Quantity |
| 15901023 | Spark plug for iGX440 | 1 |
| 22601010 | Air filter iGX440. | 1 |
| 22101004 | Return filter transmission oil | 1 |
| Spare parts for 1000 hours' serv | vice | |
| Spare part number | Denomination | Quantity |
| 22601010 | Air filter iGX440. | 1 |

| 20 hours' service Hour counter: | 100 hours' service Hour counter: |
|----------------------------------|----------------------------------|
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| 200 hours' service Hour counter: | 300 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| 400 hours' service Hour counter: | 500 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| 600 hours' service Hour counter: | 700 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| | |

| 800 hours' service Hour counter: | 900 hours' service Hour counter: | | | | |
|-----------------------------------|-----------------------------------|--|--|--|--|
| Date: | Date: | | | | |
| Signature and company stamp | Signature and company stamp | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 1000 hours' service Hour counter: | 1100 hours' service Hour counter: | | | | |
| Date: | Date: | | | | |
| Signature and company stamp | Signature and company stamp | | | | |
| | | | | | |
| | | | | | |
| 1200 hours' service Hour counter: | 1300 hours' service Hour counter: | | | | |
| Date: | Date: | | | | |
| Signature and company stamp | Signature and company stamp | | | | |
| | | | | | |
| | | | | | |
| 1400 hours' service Hour counter: | 1500 hours' service Hour counter: | | | | |
| Date: | Date: | | | | |
| Signature and company stamp | Signature and company stamp | | | | |
| | | | | | |
| | | | | | |
| 1600 hours' service Hour counter: | 1700 hours' service Hour counter: | | | | |
| Date: | Date: | | | | |
| Signature and company stamp | Signature and company stamp | | | | |
| organization and company stamp | Signature and company stamp | | | | |
| | | | | | |
| | | | | | |

| 1800 hours' service Hour counter: | 1900 hours' service Hour counter: |
|-----------------------------------|-----------------------------------|
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| 2000 hours' service Hour counter: | 2100 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| | |
| 2200 hours' service Hour counter: | 2300 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| | |
| 2400 hours' service Hour counter: | 2500 hours' service Hour counter: |
| Date: | Date: |
| Signature and company stamp | Signature and company stamp |
| | |
| | |
| | |

| Date: Machine number: | | User: |
|-----------------------|----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|---------|------------------|----------|----------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULOY. | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Х | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Х | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Х | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X X 20 V-belts X X 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X 43 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X 45 26 Flails [3] X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | | | Х | | | | | | Х | | | | Щ | L | ┸ | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | H | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | Х | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | H | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: Machine number: | | User: |
|-----------------------|----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|---------|------------------|----------|----------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULOY. | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Χ | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Х | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Χ | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X X 20 V-belts X X 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X 43 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X 45 26 Flails [3] X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | | | Х | | | | | | Х | | | | Щ | L | ┸ | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | H | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | X | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | Н | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|---------|------------------|----------|----------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULOY. | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Х | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Х | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Χ | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X X 20 V-belts X X 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X 43 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X 45 26 Flails [3] X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | | | Х | | | | | | Х | | | | Щ | L | ┸ | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | \dashv | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | Х | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | Н | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|---------|------------------|----------|----------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULOY. | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Χ | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Χ | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Χ | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X X 20 V-belts X X 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X 43 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X 45 26 Flails [3] X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | | | Х | | | | | | Х | | | | Щ | L | ┸ | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | \dashv | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | Х | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | Н | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|--------|------------------|----------|----------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULQY | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Χ | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Χ | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Х | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X X 20 V-belts X X 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X 43 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X 45 26 Flails [3] X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | | | Х | | | | | | Х | | | | Щ | L | ┸ | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | H | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | X | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | H | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|--------|------------------|----------|----------------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULQY | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Χ | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Х | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Χ | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X 20 V-belts X 21 Greasing as per lubricating plan X X X X 22 Tracks X 23 Battery in remote control X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X 25 Screws and bolts X 26 Flails [3] X 27 Flail bolts X 28 Cleaning X | | | Х | | | | | | Х | | | | Щ | L | — | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
| 23 Battery in remote control X 20 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | | Χ | ۸ | Λ | - | X | | | V | | \vdash | \vdash | + | |
| 24 Elektronics & safety equip. (emergency stop, steering, signal) × X X X 45 25 Screws and bolts X X 45 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | \dashv | | \dashv | | | | ^ | | \blacksquare | \vdash | + | |
| 25 Screws and bolts X 45 26 Flails X X 27 Flail bolts X X 28 Cleaning X X | | | _ | | H | | \dashv | | _ | | $\vdash \vdash$ | | \dashv | \vdash | + | 20 |
| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | Н | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | Н | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | Х | - | + | |
| | | | ^ | Х | Х | | \dashv | | Х | | H | | ^ | \vdash | ${f +}$ | . ٽا |

^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

| Timan a/s | | | Ор | era | ting | hou | rs | | | | | | | | | |
|--|------|--|-------|------------------------|---------------------------|--------------------|--------------------------|----------|----------------|--------|------------------|----------|----------------|-------------------|--|------------------|
| Petrol Motor iGX 440 | Pos: | Fabriksvej 13 DK-6980 Tim Denmark Phone + 45 97 330 360 Fax +45 97 330 350 | Jaily | irst month or 20 hours | every 6 months or 100 hrs | early or 300 hours | every 2 years or 500 nrs | UBRICATE | CONTROL | TSULQY | IGHTEN UP | REPLACE | SLEAN | service performed | londa manual page | iman manual page |
| Motor oil | | | | ш | ш, | 7 | ш | _ | Ŭ | 7 | | <u> </u> | | 0, | _ | |
| 2 Motor oil | 1 | | Х | | П | | П | | Х | | П | | | Г | \blacksquare | 23 |
| 3 Air filter | | | | Х | Х | | | | | | П | Χ | П | | | 38 |
| 5 Carburettor filter X | | | Х | | | | | | | | | | Χ | | 9 | |
| 6 Spark plug X | 4 | Air filter | | | Х | | | | | | | Χ | | | 9 | |
| Table Tabl | 5 | Carburettor filter | | | Х | | | | Х | | | | Χ | | 10 | |
| 7 Spark plug X X 11 X 11 X 11 11 X 11 11 X | 6 | Spark plug | | | Х | | | | Χ | Х | | | | | 11 | |
| 9 Valve play | 7 | | | | | X | | | | | | Χ | | | 11 | |
| 10 Cam belt | | | | | | | | | | | | | Χ | | 11 | |
| 11 Combustion chamber 11 | | | | | Х | | | | | | | | | | | |
| 12 Fuel tank | | | | | | | X | | Х | Х | | | | L | | |
| 13 Fuel hoses [1] | | | | | | 1 | X | | | | Ш | | Χ | L | | |
| Hydraulics | | | | | Х | | | | | | Ш | | Χ | L | | |
| 14 Hydraulic pumps, density X | 13 | | | | | 1 | X | | Х | | Ш | Χ | Ш | L | | |
| 15 Hydraulic hose connections X< | | | | | | | | | | | | | | | | |
| 16 Hydraulic oil level X | | | | | ш | | | | | | Ш | | | L | igspace | |
| 17 Hydraulic oil filter X X 18 Hydraulic olie X X 19 Cooler, hydraulic pump blade and grate X X Transmission X X X X X 20 V-belts X X X X X 21 Greasing as per lubricating plan X X X X X 22 Tracks X X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X X | | | | | Х | Х | | | | | Ш | | Ш | \vdash | <u> </u> | |
| 18 Hydraulic olie X 19 Cooler, hydraulic pump blade and grate X Transmission X 20 V-belts X 21 Greasing as per lubricating plan X X X X 22 Tracks X 23 Battery in remote control X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X 25 Screws and bolts X 26 Flails [3] X 27 Flail bolts X 28 Cleaning X | | | Х | | | | | | Х | | | | Щ | L | — | |
| 19 Cooler, hydraulic pump blade and grate Transmission 20 V-belts X X X X X X X X X X X X X X X X X X X | | | | Х | _ | _ | _ | | | | Ш | | Ш | \vdash | <u> </u> | |
| Transmission 20 V-belts X | | | | | 4 | | X | | | | | Х | | \vdash | | 38 |
| 20 V-belts X 39 21 Greasing as per lubricating plan X X X 22 Tracks X X X X 23 Battery in remote control X X X X X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X 45 26 Flails [3] X X X X 42 27 Flail bolts X X X 45 28 Cleaning X X X 45 | 19 | | Х | | _ | | | | | | Ш | | Х | \vdash | _ | |
| 21 Greasing as per lubricating plan X X X X X </td <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> | 00 | | | | | | | | V | | | | | | | 20 |
| 22 Tracks X 43 23 Battery in remote control X X 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X 25 Screws and bolts X X 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | | | | | V/ | V | 4 | | | Х | H | | \vdash | ⊬ | ₩ | |
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| 26 Flails [3] X X 42 27 Flail bolts X X 42 28 Cleaning X X 45 | 25 | Screws and holts | ^ | Y | \dashv | + | \dashv | | ^ | У | H | | \dashv | \vdash | + | 45 |
| 27 Flail bolts X X 42 28 Cleaning X X 45 | | | Y | ^ | \dashv | + | \dashv | | Y | ^ | H | | \dashv | \vdash | + | |
| 28 Cleaning X 45 | | | | | \dashv | | - | | H | | X | | \dashv | \vdash | + | |
| | | | | | H | | \exists | | | | ^ | | Х | - | + | |
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^[1] To be carried out by an authorized Timan dealer

^[2] To be checked every 4 operating hours

^[3] To be replaced if they are worn

| Date: | Machine number: | User: |
|---------------------|-----------------|--------------------|
| Technician's sign.: | Engine number: | Machine type: |
| Customer's sign.: | Service hours: | Date of execution: |

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| Petrol Motor iGX 440 | |
| 1 Motor oil [2] X X | 23 |
| 2 Motor oil XXX X | 38 |
| | 9 |
| 4 Air filter | 9 |
| 5 Carburettor filter X X X 1 |) |
| 6 Spark plug | |
| 7 Spark plug | |
| 8 Spark catcher X 1 | ı |
| 9 Valve play [1] X X X X | |
| 10 Cam belt [1] X X X X | |
| 11 Combustion chamber [1] X | |
| 12 Fuel tank [1] X X | |
| 13 Fuel hoses [1] X X X | |
| Hydraulics | |
| 14 Hydraulic pumps, density X X X | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |
| 15 Hydraulic hose connections X X X X | |
| 16 Hydraulic oil level X X | 23 |
| 17 Hydraulic oil filter X X X | 38 |
| 18 Hydraulic olie X X | 38 |
| 19 Cooler, hydraulic pump blade and grate X X | \bot |
| Transmission | 1 |
| 20 V-belts X X X X X X X X X X X X X X X X X X X | 39 36 |
| 21 Greasing as per lubricating plan | 43 |
| 23 Battery in remote control X X X | 20 |
| 23 Battery in remote control 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X | 120 |
| 24 Elektronics & salety equip. (emergency stop, steering, signal) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 45 |
| 26 Flails [3] X X | 42 |
| 27 Flail bolts | 42 |
| 28 Cleaning X X X | 45 |
| 29 Battery and cables X X X X | + |

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| 6 Spark plug | |
| 7 Spark plug | |
| 8 Spark catcher X 1 | ı |
| 9 Valve play [1] X X X X | |
| 10 Cam belt [1] X X X X | |
| 11 Combustion chamber [1] X | |
| 12 Fuel tank [1] X X | |
| 13 Fuel hoses [1] X X X | |
| Hydraulics | |
| 14 Hydraulic pumps, density X X X | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |
| 15 Hydraulic hose connections X X X X | |
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| 17 Hydraulic oil filter X X X | 38 |
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| 19 Cooler, hydraulic pump blade and grate X X | \bot |
| Transmission | 1 |
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| 23 Battery in remote control 24 Elektronics & safety equip. (emergency stop, steering, signal) X X X X X X X X X X X X X X X X X X X | 120 |
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| 28 Cleaning X X X | 45 |
| 29 Battery and cables X X X X | + |

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| Hydraulics | |
| 14 Hydraulic pumps, density X X X | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |
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